



17964 - WFC3 IR Time Dependent Sensitivity: Spatial Scans

Cycle: 33, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) M-35 DARK	WFC3/IR	1	01-Aug-2025 14:00:19.0	yes
02	(1) M-35 DARK	WFC3/IR	1	01-Aug-2025 14:00:23.0	yes

2 Total Orbits Used

ABSTRACT

We aim to measure the time dependent sensitivity loss for WFC3/IR using spatial scans of the open cluster M35. We use spatial scanning as the SNR achieved from scanning is higher than conventional staring observations. The spatial scans build on the F098M and F140W observations performed in HST programs 17684, 17586, 17261, 16439, 16031, and 14020 (F140W only). Pre-RGM, programs were designed to execute two identical visits ~3 months apart, however this is not currently feasible because RGM constrains the target visibility. Instead, we plan to execute a total of two identical visits during the window of visibility in Fall/Winter 2026. This will extend the baseline to span approximately 7 years of WFC3/IR operations, enabling high precision analysis of time-dependent sensitivity. Additionally, for both visits the short interval between each visit will provide additional sampling for the short-term repeatability.

OBSERVING DESCRIPTION

The two spatial scan visits are identical. In RGM, we can no longer observe the target in the spring (as in prior cycles). Instead we observe it in the fall (flipped by 180 degrees). Because of this, we now dither in the opposite direction compared to previous programs. Additionally, we are taking one fewer exposure than in the Cycle 32 visits due to orbital timing constraints. Therefore, observations in each visit are executed with the following strategy: - The first observation is a simple direct image in F140W. - The next 4 exposures are horizontal spatial scans (length ~13.2") in F140W with sequential dithers of 1", perpendicular to the scan direction (the +Y direction), between exposures, as to match the experiment performed in 14020. - The following 10 exposures are performed in the same way, however with dithers of 1.4" in the +Y direction to further mitigate persistence. - There are then 4 exposures taken with F098M, with the same 1.4" dithers in between each exposure. This puts one of the target stars at the top of the detector, thereby not allowing any further dithering in the previous direction. - Next, a large 17 arcsecond dither is performed in the +X direction (to avoid scanning on the same pixels where the star already landed), and 2 more F098M observations are taken, with subsequent dithers of 1.4" in the -Y direction. - We then switch back to F140W and take 4 more observations, with dithers of 3" in the -Y direction between exposures, as to ensure persistence is mitigated. (This is one less exposure than the corresponding Cycle 32 visits.) - Lastly, we take a dark exposure with the same sample sequence (but using 11 reads) as to characterize persistence.

Proposal 17964 - M35 IR Scans - Epoch1 (01) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

Visit	Proposal 17964, M35 IR Scans - Epoch1 (01) Fri Aug 01 18:00:24 GMT 2025 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 80%; ORIENT 270D TO 270 D; BETWEEN 26-AUG-2026:00:00:00 AND 20-OCT-2026:00:00:00					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(1)		M-35	RA: 06 09 2.8091 (92.2617046d) Dec: +24 21 54.23 (24.36506d) Equinox: J2000	Proper Motion RA: 0 Proper Motion Dec: 0	V=5.1	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>An advantage of an open cluster is that it is not too dense like a globular, and an open cluster will contain a lot of (photometrically stable) main sequence stars.</i> Category=STELLAR CLUSTER Description=[OPEN CLUSTER]						

Proposal 17964 - M35 IR Scans - Epoch1 (01) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	IR Stare	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]	
	2	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+1; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
	3	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+2; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
	4	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+3; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
	5	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+4; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
	6	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+5.4; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
	7	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+6.8; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
	8	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+8.2; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]

Proposal 17964 - M35 IR Scans - Epoch1 (01) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

9	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+9.6; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
10	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+11; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
11	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+12.4; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
12	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+13.8; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
13	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+15.2; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
14	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+16.6; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
15	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+18; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
16	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+19.4; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]

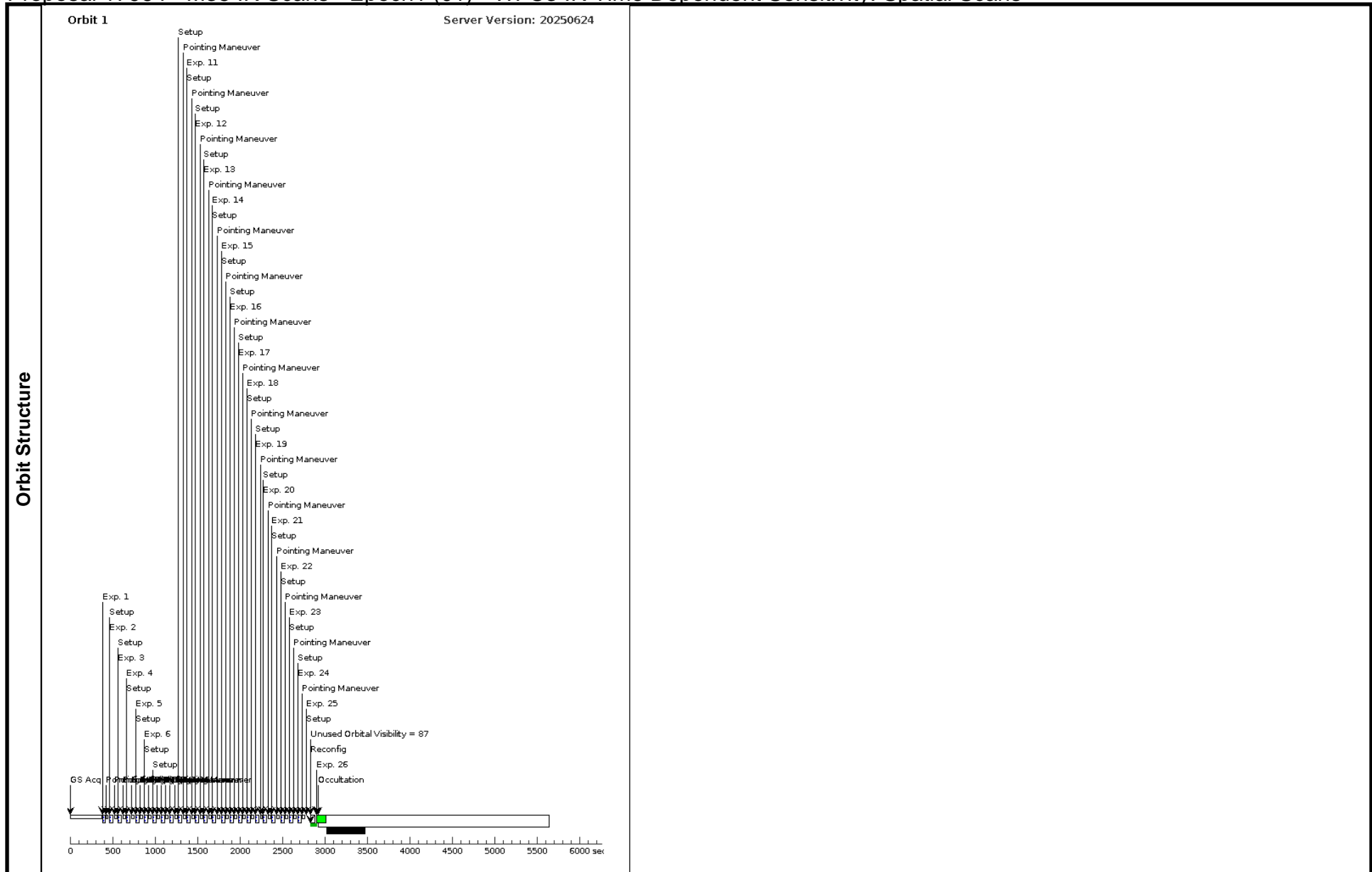
Proposal 17964 - M35 IR Scans - Epoch1 (01) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

17	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+2 0.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
18	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+2 2.2; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
19	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+2 3.6; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
20	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+2 3.6; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
21	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+2 2.2; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
22	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+2 0.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
23	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+1 7.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]
24	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+1 4.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs) [==>]	[1]

Proposal 17964 - M35 IR Scans - Epoch1 (01) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

25	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+1 1.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	8.774726 Secs (8.775 Secs)	[==>]	[1]
26	DARK	DARK	WFC3/IR, MULTIACCUM, IRSUB512-FIX	BLANK	SAMP-SEQ=SPARS 10; NSAMP=11	Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch1 (01)	80.070017 Secs (80.07 Secs)	[==>]	[1]	

Proposal 17964 - M35 IR Scans - Epoch1 (01) - WFC3 IR Time Dependent Sensitivity: Spatial Scans



Proposal 17964 - M35 IR Scans - Epoch2 (02) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

Visit	Proposal 17964, M35 IR Scans - Epoch2 (02) Fri Aug 01 18:00:24 GMT 2025 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 80%; ORIENT 270D TO 270 D; AFTER 01 BY 14 D TO 90 D; BETWEEN 26-AUG-2026:00:00:00 AND 16-NOV-2026:00:00:00					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(1)		M-35	RA: 06 09 2.8091 (92.2617046d) Dec: +24 21 54.23 (24.36506d) Equinox: J2000	Proper Motion RA: 0 Proper Motion Dec: 0	V=5.1	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>An advantage of an open cluster is that it is not too dense like a globular, and an open cluster will contain a lot of (photometrically stable) main sequence stars.</i> Category=STELLAR CLUSTER Description=[OPEN CLUSTER]						

Proposal 17964 - M35 IR Scans - Epoch2 (02) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	IR Stare	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]	
	2	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+1; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
	3	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+2; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
	4	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+3; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
	5	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+4; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
	6	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+5.4; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
	7	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+6.8; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
	8	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+8.2; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]

Proposal 17964 - M35 IR Scans - Epoch2 (02) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

9	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+9.6; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
10	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+11; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
11	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+12.4; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
12	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+13.8; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
13	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+15.2; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
14	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+16.6; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
15	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+18; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
16	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+19.4; SPATIAL SCAN 1.5,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]

Proposal 17964 - M35 IR Scans - Epoch2 (02) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

17	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+2 0.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
18	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+2 2.2; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
19	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG -16.4,+2 3.6; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
20	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+2 3.6; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
21	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F098M	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+2 2.2; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
22	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+2 0.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
23	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+1 7.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
24	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+1 4.8; SPATIAL SCAN 1.5 ,0.76 Degrees,Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]

Proposal 17964 - M35 IR Scans - Epoch2 (02) - WFC3 IR Time Dependent Sensitivity: Spatial Scans

25	Scan Horizontal	(1) M-35	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	SAMP-SEQ=SPARS 10; NSAMP=2	POS TARG +0.6,+1 1.8; SPATIAL SCAN 1.5 ,0.76 Degrees, Forward	Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	8.774726 Secs (8.775 Secs) [==>]	[1]
26	DARK	DARK	WFC3/IR, MULTIACCUM, IRSUB512-FIX	BLANK	SAMP-SEQ=SPARS 10; NSAMP=11		Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02) Same Obset in Sequence 1-26 Non-Int in M35 IR Scans - Epoch2 (02)	80.070017 Secs (80.07 Secs) [==>]	[1]

